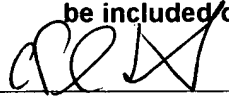
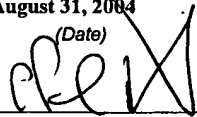
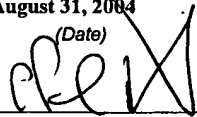
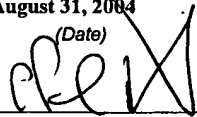
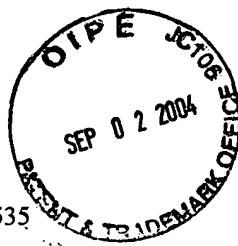


IFW

<b>AMENDMENT TRANSMITTAL LETTER (Small Entity)</b>				<b>Docket No.</b> RESP:109US									
Applicant(s): Cao et al.													
Application No. 10/665,535	Filing Date 09/19/2003	Examiner N/A	Customer No. 24041	Group Art Unit 2131	Confirmation No. 5930								
Invention: <b>EFFICIENT OPTICAL NETWORK DESIGN USING MULTI-GRANULAR OPTICAL CROSS-CONNECTS WITH WAVELENGTH BAND SWITCHING</b>													
<b>COMMISSIONER FOR PATENTS:</b>													
Transmitted herewith is an amendment in the above-identified application.													
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27													
The fee has been calculated and is transmitted as shown below.													
<b>CLAIMS AS AMENDED</b>													
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE								
TOTAL CLAIMS	56 -	20 =	36 x	\$9.00	\$324.00								
INDEP. CLAIMS	7 -	3 =	4 x	\$43.00	\$172.00								
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00								
<b>TOTAL ADDITIONAL FEE FOR THIS AMENDMENT</b>					<b>\$496.00</b>								
<input type="checkbox"/> No additional fee is required for amendment.													
<input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of _____													
<input checked="" type="checkbox"/> A check in the amount of \$496.00 to cover the filing fee is enclosed.													
<input checked="" type="checkbox"/> The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 50-0822													
<input checked="" type="checkbox"/> Any additional filing fees required under 37 C.F.R. 1.16.													
<input checked="" type="checkbox"/> Any patent application processing fees under 37 CFR 1.17.													
<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.													
<b>WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</b>													
 _____ Signature			Dated: August 31, 2004										
C. Paul Maliszewski, P.E. Registration No. 51,990 Simpson & Simpson, PLLC 5555 Main Street Williamsville, NY 14221-5406 Telephone No. 716-626-1564			<table border="1" style="width:100%"><tr><td colspan="2">I certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on August 31, 2004</td></tr><tr><td colspan="2"> (Date)</td></tr><tr><td colspan="2" style="text-align:center">Signature of Person Mailing Correspondence</td></tr><tr><td colspan="2" style="text-align:center">C. Paul Maliszewski, P.E. Typed or Printed Name of Person Mailing Correspondence</td></tr></table>			I certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on August 31, 2004		 (Date)		Signature of Person Mailing Correspondence		C. Paul Maliszewski, P.E. Typed or Printed Name of Person Mailing Correspondence	
I certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on August 31, 2004													
 (Date)													
Signature of Person Mailing Correspondence													
C. Paul Maliszewski, P.E. Typed or Printed Name of Person Mailing Correspondence													
CPM/KRB													
CC:													

Attorney Docket No. RESP:109US  
U.S. Patent Application No. 10/665,535  
Preliminary Amendment  
Date: August 31, 2004



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Xianjun CAO, Chunming QIAO, Vishal ANAND, and Yizhi XIONG

U.S. Patent Application No. 10/665,535

For: **EFFICIENT OPTICAL NETWORK DESIGN USING MULTI-GRANULAR  
OPTICAL CROSS-CONNECTS WITH WAVELENGTH BAND SWITCHING**

Filed: September 19, 2003

Examiner: N/A

Group Art Unit: 2131

Confirmation No.: 5930

Customer No.: 24041

**Certificate of Mailing by First Class Mail**

I certify that this Preliminary Amendment is being deposited on August 31, 2004 with the U.S. Postal Service as first class mail under 37 C.F.R. §1.8 and is addressed to the Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

  
C. Paul Maliszewski, P.E.

**PRELIMINARY AMENDMENT**

Mail Stop Amendment  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Honorable Sir:

Prior to examination, please preliminarily amend the application submitted herewith as follows.

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims, which begins on page 3 of this paper.

**Remarks** begin on page 19 of this paper.

A check in the amount of \$496.00 is enclosed for 36 additional claims and 4 additional independent claims.